

### Abstract

The invention concerns an inking device, called doctor blade chamber, for a flexographic printing machine anilox roll (2). Said doctor blade chamber, which comprises a closed box (4, 6) borne mobile (10) by a frame (8) for being sealingly pressed against anilox roll (2), box (4, 6) defining a main chamber equipped with a couple of positive (16) and negative (18) blades. The invention is characterized in that the main chamber, equipped with means (32, 34) for being the seat of ink circulations at atmospheric pressure, is divided into two superposed chambers (20, 22) communicating with each other through channels (24) circulating ink by simple gravity, from an upper supply chamber (20) to a lower delivery chamber (22), the two chambers (20, 22) being separated from each other by retaining blade (26) which provides an ink reserve (28) between two chambers (20, 22) and upstream of the negative blade (18).